

Cover Letter

Dec 25, 2007

Gentlemen,

Please find below our responses to your Inquiry Tracking Number ATCB005749. If you require more information kindly let us know at your first available opportunity.

1. Please provide a better operational description that includes the number of channels used by this device, their frequencies and the information required by the following sections of the FCC Rules:
 - (a) 2.1033(c)(4)-Type or types of emissions (emission designator) used by this transmitter,
 - (b) 2.1033(c)(6)-Range of operating power values or specific operating power levels, and description of any means provided for variation of operating power,
 - (c) 2.1033(c)(7)-Maximum power rating as defined in the applicable part(s) of the rules, and
 - (d) 2.1033(c)(8)-The dc voltages applied to and dc currents into the several elements of the final radio frequency amplifying device for normal operation over the power range.

[This new operation description has been submittalled.](#)

2. Please provide an exhibit with the tune-up procedure over the power range, or at specific operating power levels as specified in Section 2.1033(c)(9) of the Rules.

[The exhibit filled in the new operation description.](#)

3. Please provide the information listed in Section 2.1033(c)(10) of the rules as part of the operational description or the schematic diagram. You need to provide a description of all circuitry and devices provided for determining and stabilizing frequency, for suppression of spurious radiation, for limiting modulation, and for limiting power.

[This new operation description has been submittalled.](#)

4. Please provide output power measurements at the antenna connector as specified in Section 2.1046 of the Rules. If this transmitter does not have an antenna connector, you can calculate the output power using the formula $P = (E \times d)^2 / 30G$, where P is power in watts, E is maximum field strength in volts/meter, d is distance in meters, and G is the numeric gain of the transmitting antenna with reference to an isotropic radiator.

[The output power has been tested and recorded in test report..](#)

5. Please provide frequency stability measurements at – 30 degrees C as specified in Section 2.1055(a)(1) of the Rules. You only submitted frequency stability test data down to – 20 degrees C.

The test has performed at -30 degrees C and recorded in test report.

6. Please provide an amended 731 application form that lists the output power from item 4 above, the frequency stability measured in item 5 above and the emission designator determined from the occupied bandwidth and type of emissions reported in item 1 above. These items were left blank on the submitted 731 application form.

The new 731 form has been submittalled.

7. Radiated emission test results only show the result. They do not include any correction factors and a calculation on how the result was obtained. For example, the measured level is corrected by adding the antenna correction factor, adding the cable loss and subtracting the amplifier gain. Please provide these factors and a sample calculation in radiated test results.

The factor and sample calculation have added in test report.

8. Please provide the resolution bandwidth and video bandwidth and the detector function of the measuring instrument used during radiated emission measurements above 1 GHz.

The revised test report has including this information.

9. Please provide an amended equipment label that contains the statement required by Section 95.1109(b) of the Rules and show where this label will be on the equipment.

The revised label has added the statement.

10. Please address RF safety of this device in accordance with Section 95.1125 of the Rules by confirming that this device complies with these requirements and provide the basis for this statement. I note that this device can be worn next to the body either by a belt around the waist or loop around the neck.

The RF SAFETY has submittalled.

11. The receiver associated with this transmitting system requires either Declaration of Conformity or Certification in accordance with Section 15.101(a) of the Rules. Test labs in China are not eligible to perform DoC measurements because there is no Mutual Recognition Agreement in force between the USA and China. Please provide evidence that the proper authorization has been done. Please note that the FCC is about to enforce this new requirement on all TCBs in

January of 2008. More details will follow when the FCC releases the procedures TCBs are to follow in this matter.

[The declaration of DoC of receiver has submittalled.](#)

12. For Your Information – The signature on the 731 application form must be typed in English below the chop or Chinese signature that appears on the application form. Please make a note of this for future filings. Applications are required to be in the English language so I believe the signature should also either be in English or translated from Chinese to English if the Chinese signature is used.

[There is no any Chinese signature in 731 form.](#)

Best Regards,

(Official officer of HTW)